



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/540,407	06/24/2005	Dominique Lo Hine Tong	PF030005	9721

24498 7590 01/22/2007
THOMSON LICENSING INC.
PATENT OPERATIONS
PO BOX 5312
PRINCETON, NJ 08543-5312

EXAMINER

LEE, BENNY T

ART UNIT PAPER NUMBER

2817

SHORTENED STATUTORY PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE
3 MONTHS	01/22/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

Office Action Summary	Application No.	Applicant(s)	
	10/540,407	LO HINE TONG ET AL.	
	Examiner	Art Unit	
	Benny Lee	2817	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 24 June 2005.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-7 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-7 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 24 June 2005 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☒ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date <u>24 June 2005</u> . | 6) <input type="checkbox"/> Other: _____ |

The disclosure is objected to because of the following informalities: Note that subheadings should be provided to delineate the different sections of the specification. Page 1, line 7, note that “millimetre” should be correctly spelled as --millimeter--; line 26, note that “this” should be deleted as being unnecessary. Page 2, line 3, note that “one at least” should be rephrased as --at least one-- for an appropriate characterization; line 5, note that “substrate 103” does not appear consistent with the earlier recitation of “substrate 102”, as well as the labeling in “Fig. 1”; line 19, note that --conductor-- should precede “113” for clarity of description; line 25, note that --grounded-- should precede “inductive” for an appropriate characterization; line 26, note that “earthed by being” should now be deleted in view of the above suggested amendment to line 25. Page 4, lines 19, 21, note that --prior art-- should precede “bandpass” (line 19) and “structure” (line 21), respectively for an appropriate characterization. Page 5, line 1, note that “303 to 306” should be rewritten as --303, 304, 305, 306-- for consistency with the drawing figure. Page 6, line 4, note that --corresponding-- should be inserted prior to “conducting” for clarity of description; line 10, note that “the latter’s” should be rewritten as to indicate the intended feature for clarity of description. At the following instances throughout the specification, note that “guide” should be rewritten as --waveguide--: Page 1, line 30; Page 2, lines 4, 7; Page 3, lines 22, 31. Appropriate correction is required.

The drawings are objected to because in Fig. 3, note that reference label “308” appears that it should properly be --306-- as to be commensurate with the specification description of figure 3.

The drawings are objected to under 37 CFR 1.83(a). The drawings must show every feature of the invention specified in the claims. Therefore, the number of floating inserts (i.e.

two in Fig. 3) being “equal” to the number of conducting inserts (i.e. 4 in Fig. 3) must be shown or the feature(s) canceled from the claim(s). No new matter should be entered.

Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The figure or figure number of an amended drawing should not be labeled as “amended.” If a drawing figure is to be canceled, the appropriate figure must be removed from the replacement sheet, and where necessary, the remaining figures must be renumbered and appropriate changes made to the brief description of the several views of the drawings for consistency. Additional replacement sheets may be necessary to show the renumbering of the remaining figures. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either “Replacement Sheet” or “New Sheet” pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

Claims 1-7 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

In claim 1, note that the recitation “its faces” is vague in meaning as to what the “faces” is intended to be associated with (i.e. substrate, waveguide, etc). Clarification is needed. Similarly, it is unclear with respect to what feature or which features is “(their/its) dimensions and (their/its) locations” intended to be reference. Clarification is needed. Note that reference to

Art Unit: 2817

“the other face of the substrate” is not definite since no --faces-- have been strictly defined for the “substrate”. Clarification is needed.

In claim 2, note that it is unclear how “a set of floating inserts” relates to the earlier recited “at least one electrically floating insert” (i.e. a part thereof, separate there from, etc). Clarification is needed.

The following claims have been found to be objectionable for reasons set forth below:

In claim 1, line 2, note that “of the type” should be deleted as being unnecessary; lines 3, 5, note that “guide” should be appropriately rewritten as --waveguide-- for consistency in claim terminology; last line, note that “this zero” should be rephrased as --said transmission zero-- for an appropriate characterization.

In claim 3, line 2, note that --said at least one-- should precede “floating insert” for an appropriate characterization.

In claim 4, line 3, should --corresponding-- precede “conducting” for an appropriate characterization?

In claim 5, lines 4, 5, note that “in this guide” should be rephrased as --of said waveguide-- for an appropriate characterization.

In claim 6, line 2, note that --conducting-- should be inserted after “inductive” for an appropriate characterization.

In claim 7, line 2, note that “millimetre” should be correctly spelled as --millimeter--.

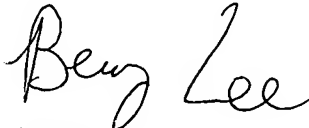
The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Art Unit: 2817

Reindel ('870) discloses non-contacting filter elements disposed on a circuit board and configured in the E-plane of a waveguide. Sharma pertains to a waveguide filter having inductive conducting elements disposed on a printed circuit board.

Any inquiry concerning this communication should be directed to Benny Lee at telephone number 571 272 1764.

B. Lee


BENNY T. LEE
PRIMARY EXAMINER
ART UNIT 2817